Figure 6A

```
  1 S  D  T  V  C  D  S  C  E  D  S  T  Y  T  Q  L  W  N  W  V
  1 tcggacaccgtgtgtgactcctgtgaggacagcacatacacccagctctggaactgggtt
  1          10        20        30        40        50

 21 P  E  C  L  S  C  G  S  R  C  S  S  D  Q  V  E  T  Q  A  C
 61 cccgagtgcttgagctgtggctcccgctgtagctctgaccaggtggaaactcaagcctgc
 61          70        80        90       100       110

 41 T  R  E  Q  N  R  I  C  T  C  R  P  G  W  Y  C  A  L  S  K
121 actcgggaacagaaccgcatctgcacctgcaggcccggctggtactgcgcgctgagcaag
121         130       140       150       160       170

 61 Q  E  G  C  R  L  C  A  P  L  P  K  C  R  P  G  F  G  V  A
181 caggaggggtgccggctgtgcgcgccgctgccgaagtgccgcccgggcttcggcgtggcc
181         190       200       210       220       230

 81 R  P  G  T  E  T  S  D  V  V  C  K  P  C  A  P  G  T  F  S
241 agaccaggaactgaaacatcagacgtggtgtgcaagccctgtgccccggggacgttctcc
241         250       260       270       280       290

101 N  T  T  S  S  T  D  I  C  R  P  H  Q  I  C  N  V  V  A  I
301 aacacgacttcatccacggatatttgcaggcccccaccagatctgtaacgtggtggccatc
301         310       320       330       340       350

121 P  G  N  A  S  R  D  A  V  C  T  S  T  S  P  T  R  S  M  A
361 cctgggaatgcaagcagggatgcagtctgcacgtccacgtcccccacccggagtatggcc
361         370       380       390       400       410

141 P  G  A  V  H  L  P  Q  P  V  S  T  R  S  Q  H  T  Q  P  S
421 ccagggcagtacacttaccccagccagtgtccacgatcccaacacacgcagccaagt
421         430       440       450       460       470

161 P  E  P  S  T  A  P  S  T  S  F  L  L  P  M  G  P  S  P  P
481 ccagaacccagcactgctccaagcacctccttcctgctcccaatgggccccagcccccca
481         490       500       510       520       530

181 A  E  G  S  T  G  D  F  A  L  P  V  G  L  I  V  G  V  T  A
541 gctgaagggagcactggcgacttcgctcttccagttggactgattgtgggtgtgacagcc
541         550       560       570       580       590

201 L  G  L  L  I  I  G  V  V  N  C  V  I  M  T  Q  V  K  K  K
601 ttgggtctactaataataggagtggtgaactgtgtcatcatgacccaggtgaaaaagaag
601         610       620       630       640       650

221 P  L  C  L  Q  R  E  A  K  V  P  H  L  P  A  D  K  A  R  G
661 cccttgtgcctgcagagagaagccaaggtgcctcacttgcctgccgataaggcccggggt
661         670       680       690       700       710

241 T  Q  G  P  E  Q  Q  H  L  L  I  T  A  P  S  S  S  S  S  S
721 acacagggcccccgagcagcagcacctgctgatcacagcgccgagctccagcagcagctcc
721         730       740       750       760       770

261 L  E  S  S  A  S  A  L  D  R  R  A  P  T  R  N  Q  P  Q  A
781 ctggagagctcggccagtgcgttggacagaagggcgcccactcggaaccagccacaggca
781         790       800       810       820       830

281 P  G  V  E  A  S  G  A  G  E  A  R  A  S  T  G  S  S  A  D
841 ccaggcgtggaggccagtgggggccggggaggcccgggccagcaccgggagctcagcagat
841         850       860       870       880       890
```

FIGURE 6B

```
301 S   S   P   G   G   H   G   T   Q   V   N   V   T   C   I   V   N   V   C   S
901 tcttcccctggtggccatgggacccaggtcaatgtcacctgcatcgtgaacgtctgtagc
901           910       920       930       940       950


321 S   S   D   H   S   S   Q   C   S   S   Q   A   S   S   T   M   G   D   T   D
961 agctctgaccacagctcacagtgctcctcccaagccagctccacaatgggagacacagat
961           970       980       990       1000      1010


341 S   S   P   S   E   S   P   K   D   E   Q   V   P   F   S   K   E   E   C   A
1021 tccagcccctcggagtccccgaaggacgagcaggtccccttctccaaggaggaatgtgcc
1021          1030      1040      1050      1060      1070


361 F   R   S   Q   L   E   T   P   E   T   L   L   G   S   T   E   E   K   P   L
1081 tttcggtcacagctggagacgccagagaccctgctggggagcaccgaagagaagcccctg
1081          1090      1100      1110      1120      1130


381 P   L   G   V   P   D   A   G   M   K   P   S
1141 ccccttggagtgcctgatgctgggatgaagcccagttaaccaggccggtgtgggctgtgt
1141          1150      1160      1170      1180      1190
1201 cgtagccaaggtggctgagccctggcaggatgaccctgcgaaggggccctggtccttcca
1201          1210      1220      1230      1240      1250
1261 ggcccccaccactaggactctgaggctctttctgggccaagttcctctagtgccctccac
1261          1270      1280      1290      1300      1310
1321 agccgcagcctccctctgacctgcaggccaagagcagaggcagcgagttgtggaaagcct
1321          1330      1340      1350      1360      1370
1381 ctgctgccatggcgtgtccctctcggaaggctggctgggcatggacgttcggggcatgct
1381          1390      1400      1410      1420      1430
1441 ggggcaagtccctgagtctctgtgacctgccccgcccagctgcacctgccagcctggctt
1441          1450      1460      1470      1480      1490
1501 ctggagcccttgggttttttgtttgtttgtttgtttgtttgtttctccccctgggc
1501          1510      1520      1530      1540      1550
1561 tctgcccagctctggcttccagaaaacccccagcatccttttctgcagaggggctttctgg
1561          1570      1580      1590      1600      1610
1621 agaggagggatgctgcctgagtcacccatgaagacaggacagtgcttcagcctgaggctg
1621          1630      1640      1650      1660      1670
1681 agactgcgggatggtcctggggctctgtgcagggaggaggtggcagccctgtagggaacg
1681          1690      1700      1710      1720      1730
1741 gggtccttcaagttagctcaggaggcttggaaagcatcacctcaggccaggtgcagtggc
1741          1750      1760      1770      1780      1790
1801 tcacgcctatgatcccagcactttgggaggctgaggcgggtggatcacctgaggttagga
1801          1810      1820      1830      1840      1850
1861 gttcgagaccagcctggccaacatggtaaaaccccatctctactaaaaatacagaaatta
1861          1870      1880      1890      1900      1910
1921 gccgggcgtggtggcgggcacctatagtcccagctactcagaagcctgaggctgggaaat
1921          1930      1940      1950      1960      1970
1981 cgtttgaacccgggaagcggaggttgcagggagccgagatcacgccactgcactccagcc
1981          1990      2000      2010      2020      2030
2041 tgggcgacagagcgagagtctgtctcaaaagaaaaaaaaaaagcaccgcctccaaatgct
2041          2050      2060      2070      2080      2090
2101 aacttgtccttttgtaccatggtgtgaaagtcagatgcccagagggcccaggcaggccac
2101          2110      2120      2130      2140      2150
2161 catattcagtgctgtggcctgggcaagataacgcacttctaactagaaatctgccaattt
2161          2170      2180      2190      2200      2210
2221 tttaaaaaagtaagtaccactcaggccaacaagccaacgacaaagccaaactctgccagc
2221          2230      2240      2250      2260      2270
2281 cacatccaaccccccacctgccatttgcaccctccgccttcactccggtgtgcctgcag
2281          2290      2300      2310      2320      2330
```